CONTENTS OF VOLUME 9

Volume 9 No. 1 1988

Publisher's Announcement iv

ROGER SEARLE and KEN MACDONALD / Editorial v

JEAN-CHRISTOPHE SEMPERE, KEN C. MACDONALD, STEPHEN P. MILLER, and LOREN SHURE / Detailed Study of the Brunhes/Matuyama Reversal Boundary on the East Pacific Rise at 19°30′ S: Implications for Crustal Emplacement Processes at an Ultra Fast Spreading Center 1

JOHN D. BICKNELL, JEAN-CHRISTOPHE SEMPERE, KEN C. MACDONALD, and P. J. FOX / Tectonics of a Fast Spreading Center: A Deep-Tow and Sea Beam Survey on the East Pacific Rise at 19°30′ S 25

GEORGE H. SUTTON and FREDERICK K. DUENNEBIER / Optimum Design of Ocean Bottom Seismometers 47

DAVID HARRIS, ROBERT K. CESSARO, FRED K. DUENNEBIER, and DAVID A. BYRNE / A Permanent Seismic Station Beneath the Ocean Bottom 67

SHEN WANG, BERNARD LE MEHAUTE, and CHIA-CHI LU / Effect of Dispersion on Impulse Waves 95

Call for Papers 113

Announcements 114

Volume 9 No. 2 1988

Publisher's Announcement iii

LISA ANTRIM, JEAN-CHRISTOPHE SEMPERE, KEN C. MACDONALD, F. N. SPIESS / Fine Scale Study of a Small Overlapping Spreading Center System at 12°54′ N on the East Pacific Rise 115

JEAN CHRISTOPHE SEMPERE, ALEXANDRA MESHKOV, MICHEL THOMMERET, and KEN MACDONALD / Magnetic Properties of Some Young Basalts from the East Pacific Rise 131

P. CHOUKROUNE, J. FRANCHETEAU, B. AUVRAY, J. M. AUZENDE, J. P. BRUN, B. SICHLER, R. ARTHAUD, and J. C. LEPINE / Tectonics of an Incipient Oceanic Rift 147

K. CRANE, E. SUNDVOR, J.-P. FOUCHER, M. HOBART, A. M. MYHRE, and S. LeDOUARAN / Thermal Evolution of the Western Svalbard Margin 165

Volume 9 No. 3 1988

Publisher's Announcement iii

MANOJ MUKHOPADHYAY / Gravity Anomalies and Deep Structure of the Andaman Arc 197

KATHLEEN CRANE, FRANK AIKMAN, and JEAN-PAUL FOUCHER / The Distribution of Geothermal Fields Along the East Pacific Rice from 13°10´N to 8°20´N: Implications for Deep Seated Origins 211

HIDEKI SHIMAMURA and TOSHIHIKO KANAZAWA / Ocean Bottom Tiltmeter with Acoustic Data Retrieval System Implanted by a Submersible 237

Q. J. HUGGETT and M. L. SOMERS / Possibilities of Using the GLORIA System for Manganese Nodule Assessment 255

R. N. EDWARDS, P. A. WOLFGRAM, and A. S. JUDGE / The ICE-MOSES experiment: Mapping Permafrost zones Electrically beneath the Beaufort Sea 265

Erratum 291

Volume 9 No. 4 1988

SPECIAL ISSUE ON MID-OCEAN RIDGES

PART I

A. NICOLAS, F. BOUDIER, and G. CEULENEER / Mantle Flow Patterns and Magma Chambers at Ocean Ridges: Evidence from the Oman Ophiolite 293

M. POUJOL and R. S. JACOBSON / Using Inverse Theory and SEABEAM Bathymetry to Improve Seismic Refraction Data Corrections 311

CLYDE E. NISHIMURA and DONALD W. FORSYTH / Improvements in Navigation Using SeaBeam Crossing Errors 333

JEFF P. SEVERINGHAUS and KEN C. MACDONALD / High Inside Corners at Ridge-Transform Intersections 353